

Notice of Allowability

Application No.

09/707,060

Applicant(s)

KOVACEVIC, BRANKO

Examiner

Christopher Onuaku

Art Unit

2621

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendments filed 3/20/06.
2. ☒ The allowed claim(s) is/are 1-27.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-27 are allowable over the prior art of record.
2. The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 1, the invention relates to time shifting of video data, including time shifting of digital video data.

The closest references Suzuki (US 6,148,135) discloses a video and audio synchronization controller for decoding coded video and audio data and for synchronizing video data with audio data and a video decoding device in the video and audio reproducing device for preventing the video buffer memory from becoming empty (underflow) or full (overflow), and Morinaga et al (US 6,792,000) disclose a data processing apparatus/method and a data recording medium that are capable of simultaneous recording and reproducing of a digital satellite broadcast program.

However, Suzuki and Morinaga et al fail to explicitly disclose a method, where the method further comprises setting a system time indicator to a stored system time value, wherein the stored system time value is based on a portion of the timing data of the first portion of the packetized data stream, retrieving the video data of the first portion of the packetized data stream for video decoding and storing a second portion of the packetized data stream representing video data and timing data of the program.

Regarding claim 18, the invention relates to time shifting of video data, including time shifting of digital video data.

The closest references Suzuki (US 6,148,135) discloses a video and audio synchronization controller for decoding coded video and audio data and for synchronizing video data with audio data and a video decoding device in the video and audio reproducing device for preventing the video buffer memory from becoming empty (underflow) or full (overflow), and Morinaga et al (US 6,792,000) disclose a data processing apparatus/method and a data recording medium that are capable of simultaneous recording and reproducing of a digital satellite broadcast program.

However, Suzuki and Morinaga et al fail to explicitly disclose a method comprising the steps of during a third mode of operation receiving the multiplexed packetized data stream at the first demultiplexer, selecting the first program from the multiplexed packetized data stream, storing a first program portion of the first program, providing the first program portion to a second demultiplexer, selecting at the second demultiplexer a video portion of the first program portion, decoding the video portion of the first program portion for display, and storing a second program portion of the first program simultaneous to the step of decoding.

Regarding claim 21, the invention relates to time shifting of video data, including time shifting of digital video data.

The closest references Suzuki (US 6,148,135) discloses a video and audio synchronization controller for decoding coded video and audio data and for

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synchronizing video data with audio data and a video decoding device in the video and audio reproducing device for preventing the video buffer memory from becoming empty (underflow) or full (overflow), and Morinaga et al (US 6,792,000) disclose a data processing apparatus/method and a data recording medium that are capable of simultaneous recording and reproducing of a digital satellite broadcast program.

However, Suzuki and Morinaga et al fail to explicitly disclose a system, where the system further comprises a first clock recovery module having an input coupled to the first input node, and an output, wherein the first clock recovery module is to generate a clock at the output based upon received timing information transmitted in packets of the multiplexed packetized data stream before the select packets are stored in the storage device, and a decoder having a first input coupled to the output of the first clock recovery module to receive the clock, a second input coupled to the data port of the storage device to receive the select packets, and an output to provide decoded real-time data.

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher Onuaku whose telephone number is 571-272-7379. The examiner can normally be reached on M-F.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Groody can be reached on 571-272-7950. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


COO

3/31/06


James J. Groody
Supervisory Patent Examiner
Art Unit 262 2621